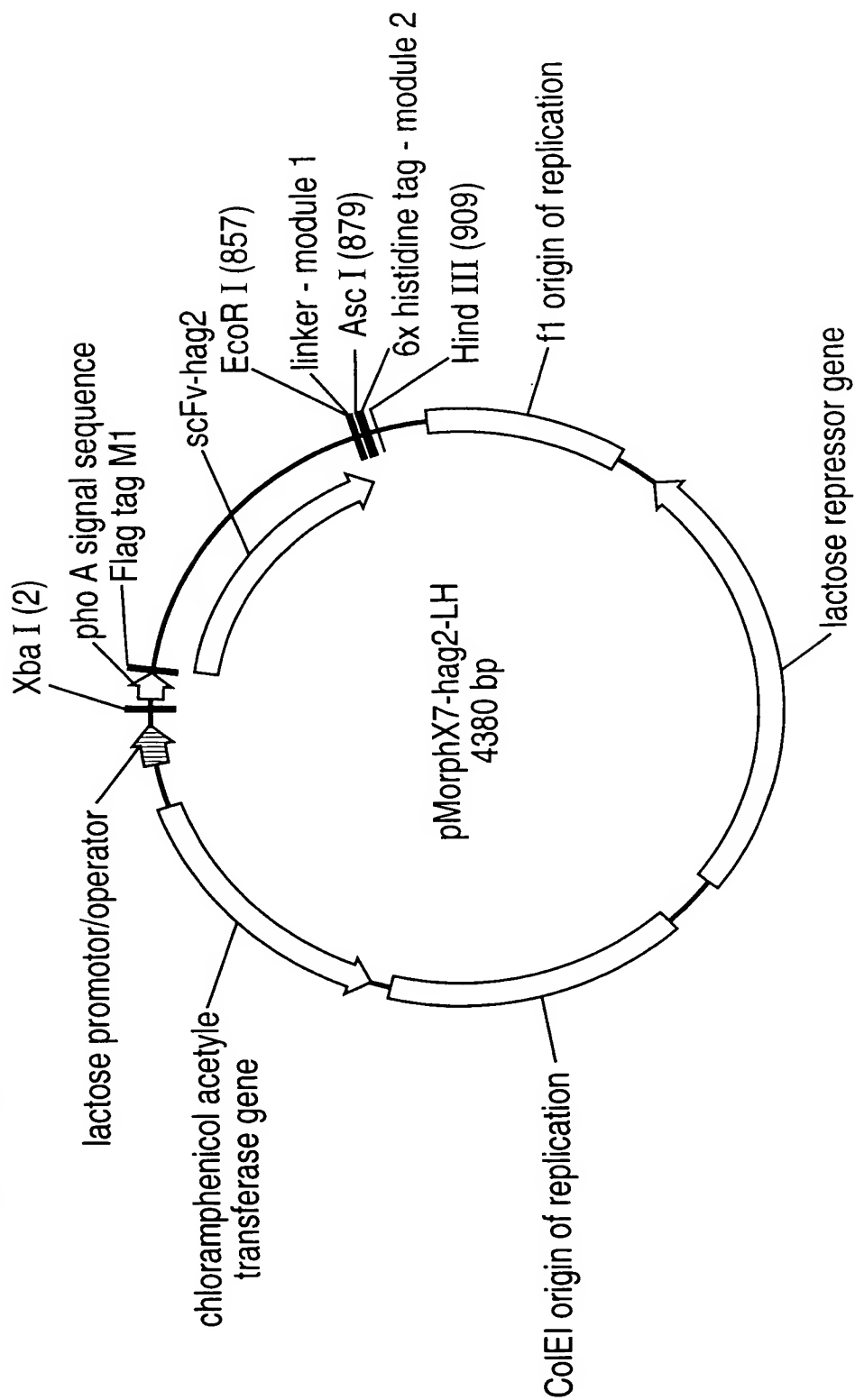


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**FIG. 1a**



**Complete vector sequence of pMorphX7-hag2-LH**

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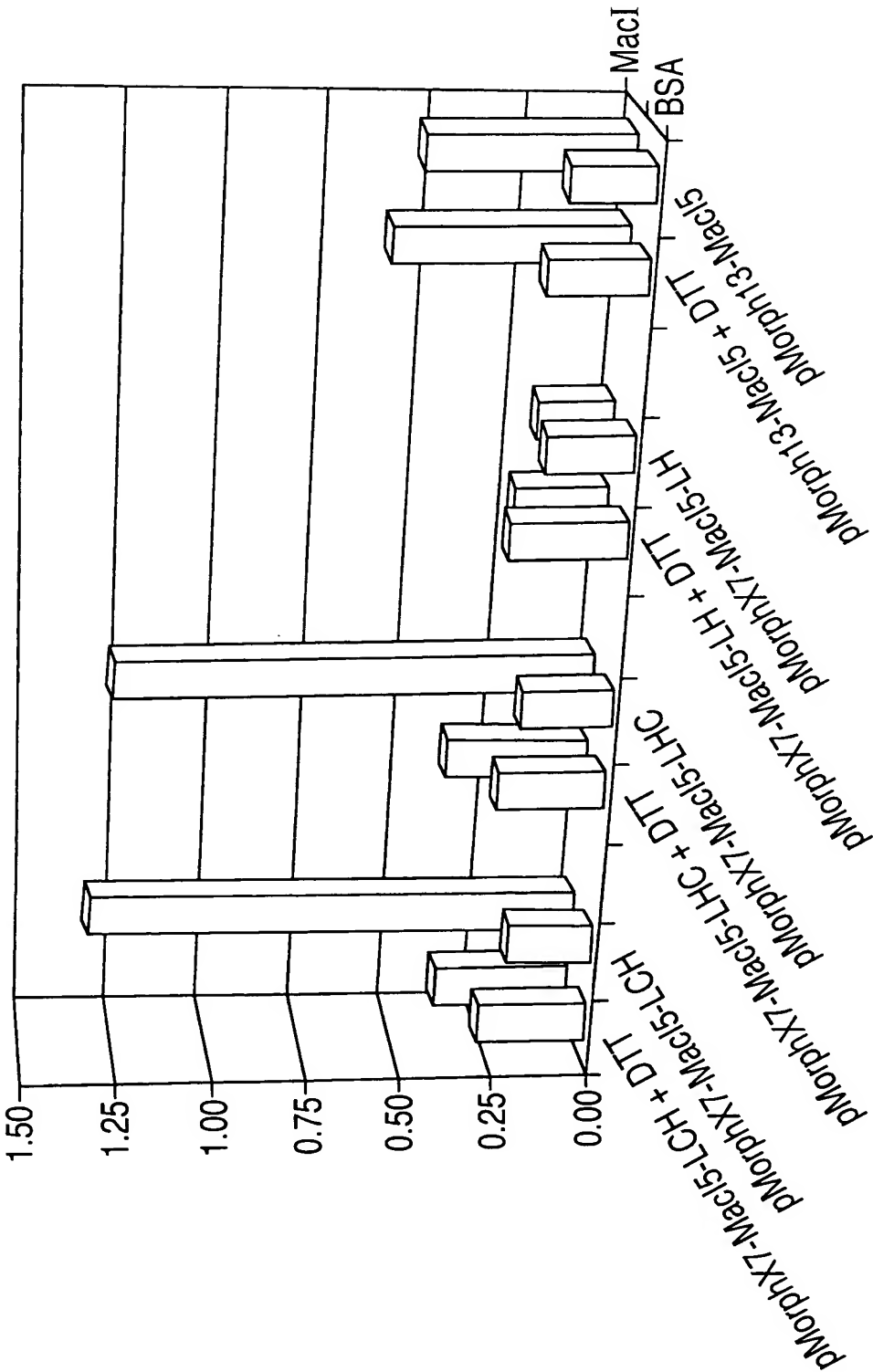
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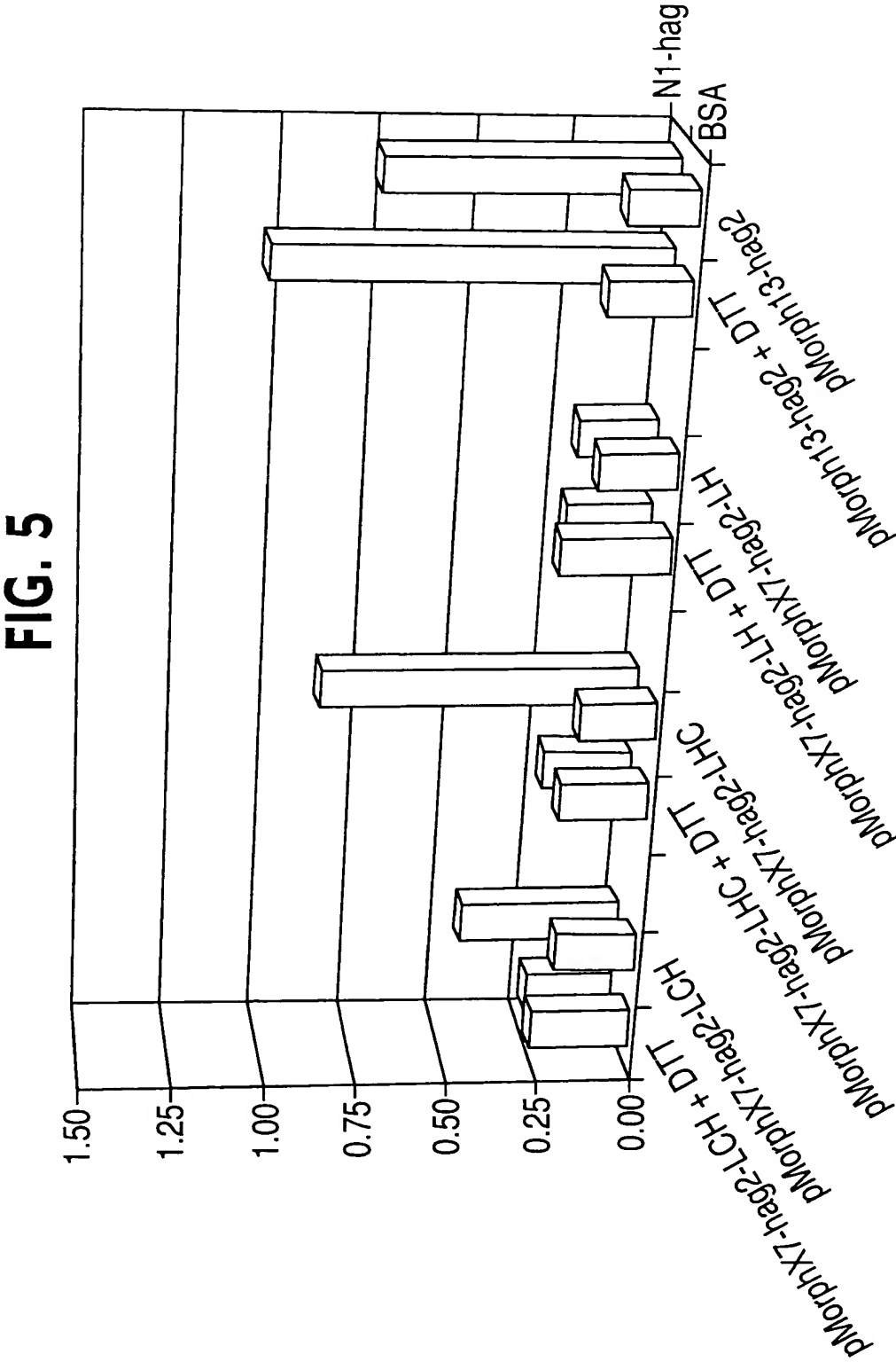
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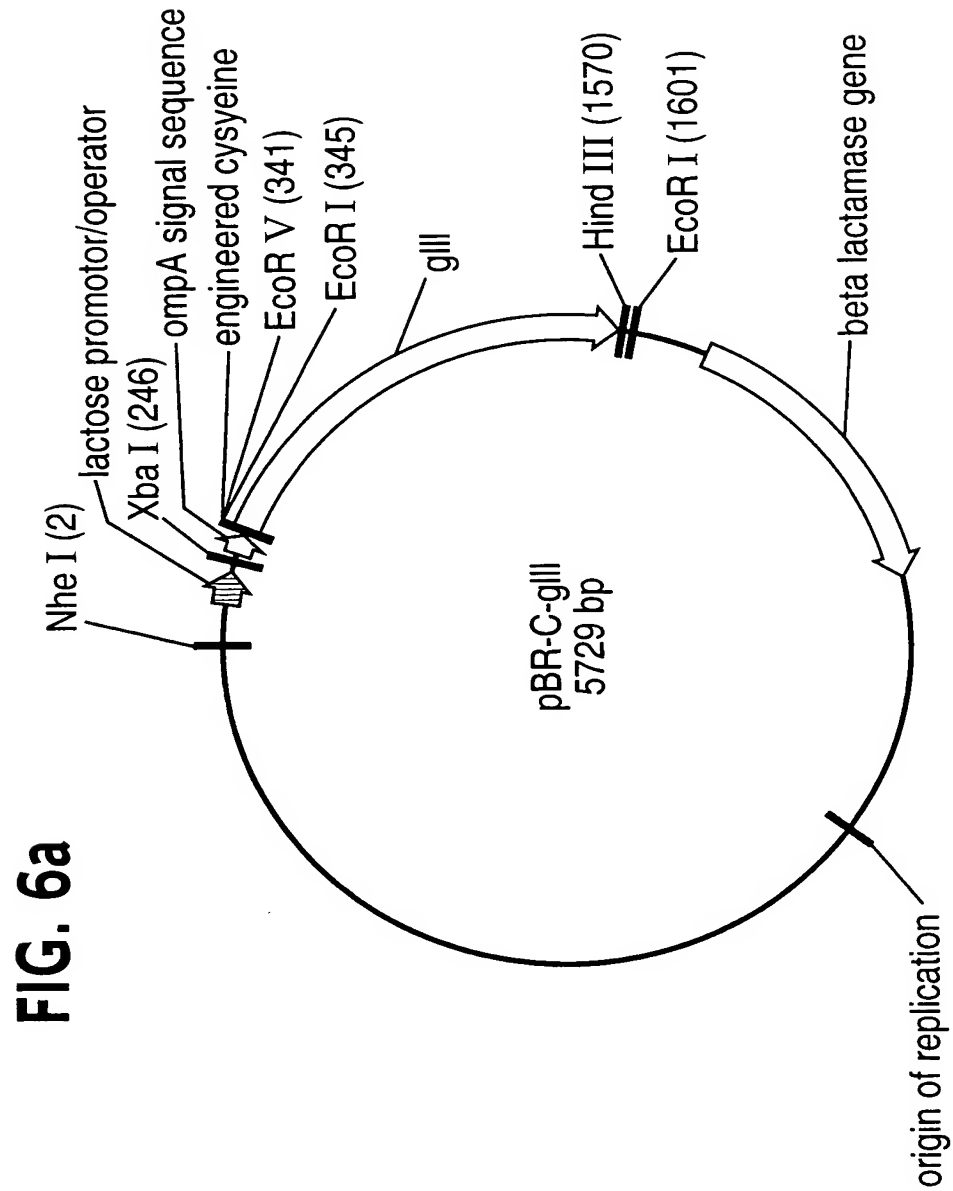
FIG. 4



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**Sequence of expression cassette for full length pIII with an N-terminal cysteine residue (C-gIII)**

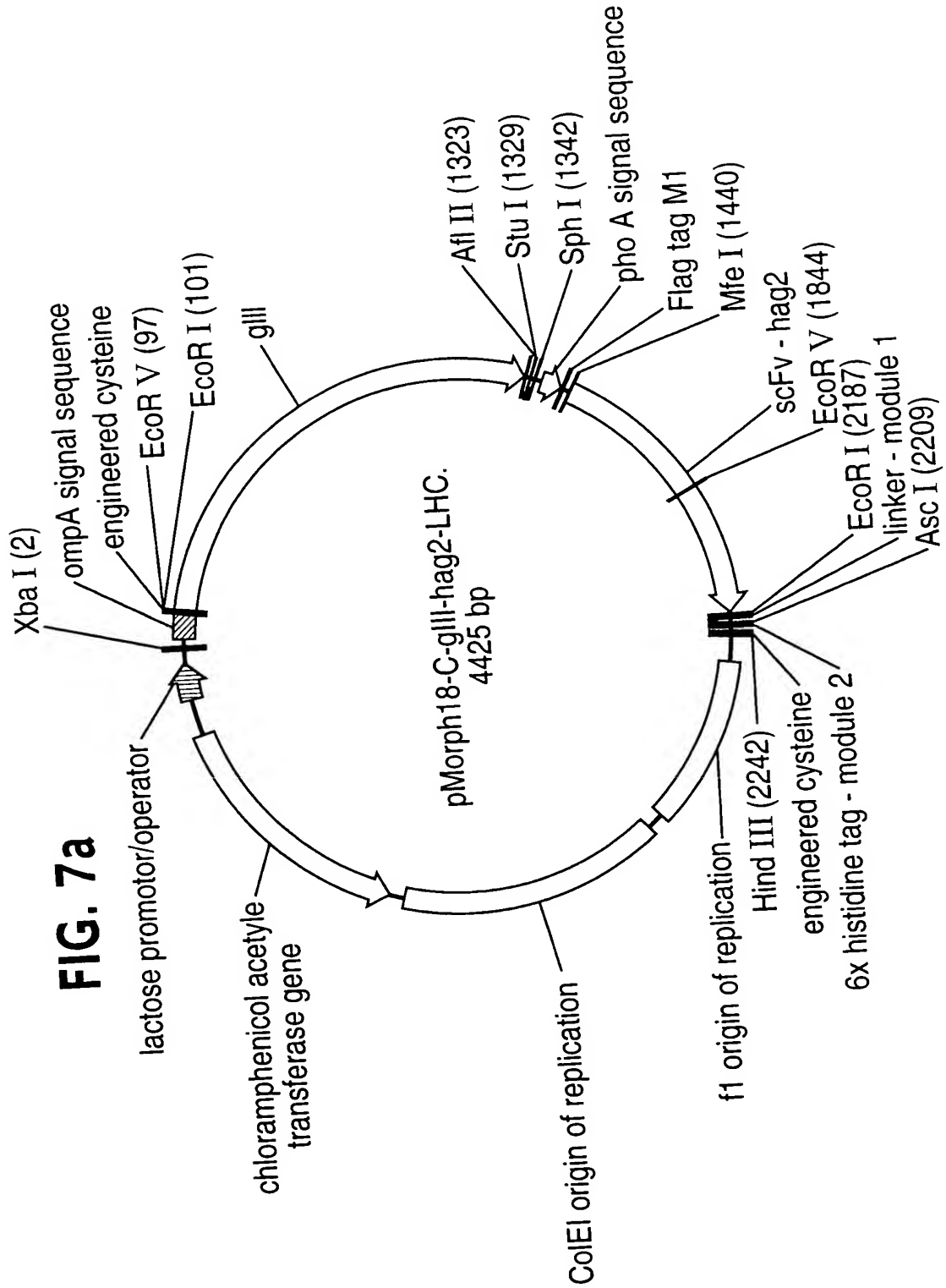
**FIG. 6c**

**Sequence of expression cassette for truncated pIII with an N-terminal cysteine residue (C-qIIICT)**

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taacatactocataataaqaatcttaataaactt



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**FIG. 7b**

[illegible]

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FIG. 8A

8 1 2 3 4 M 5 6 7

- scFv-S-S-pIII
- scFv-S-S-scFv / (scFv-SH)<sub>2</sub> / (scFv)<sub>2</sub>
- scFv-S-S-X
- scFv-SH / scFv

FIG. 8B

8 1 2 3 4 M 5 6 7

- pIII-S-S-pIII
- scFv-S-S-pIII
- SH-pIII / pIII

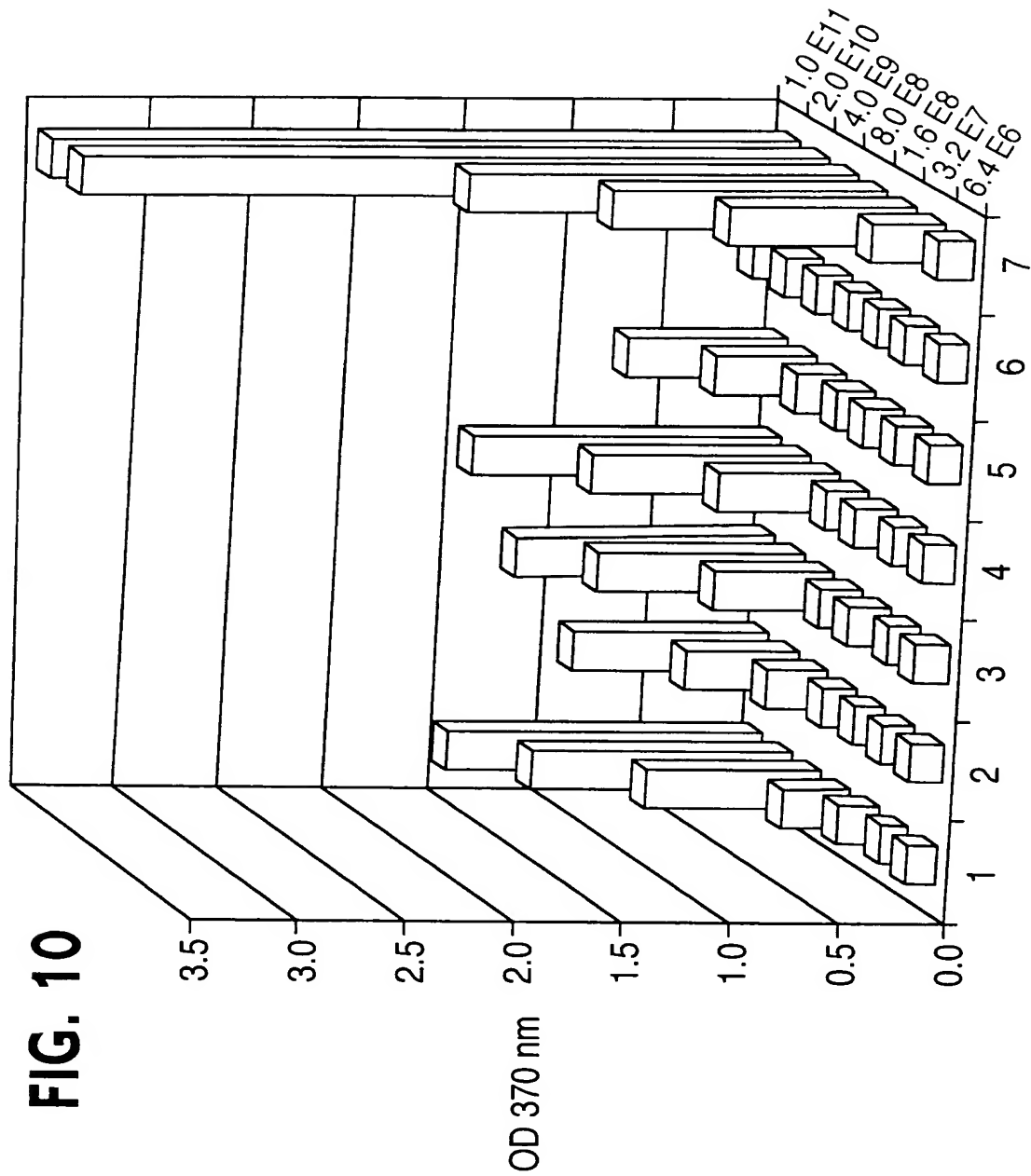
1 2 3 4 M 5 6 7 8 M

scFv-S-S-pIII  
scFv-S-S-scFv / (scFv-SH)<sub>2</sub>  
scFv-SH

- pIII-S-S-pIII  
- scFv-S-S-pIII  
- SH-pIII / pIII

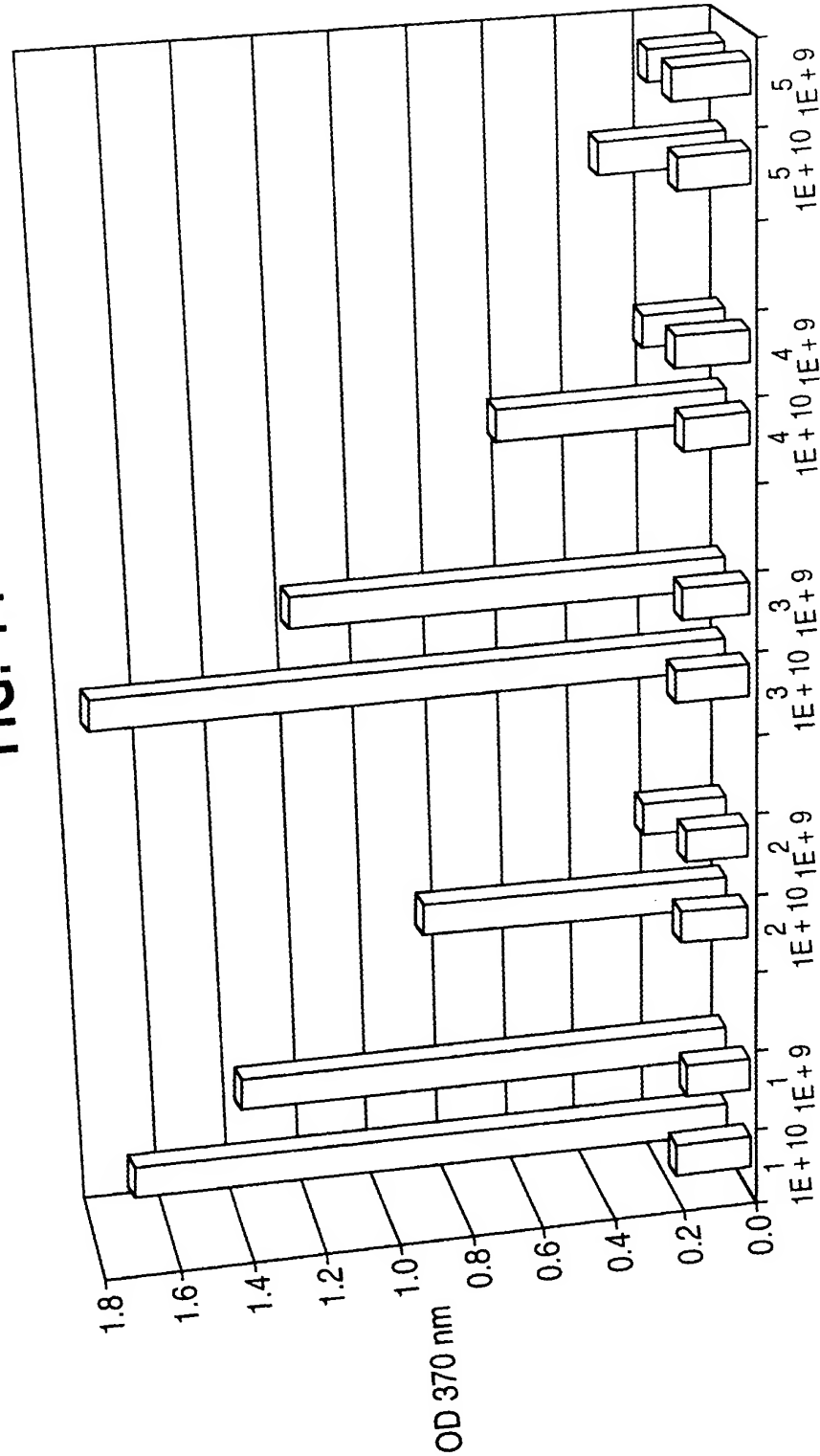
1 2 3 4 M 5 6 7 8

- pIII-S-S-pIII  
- scFv-S-S-pIII  
- SH-pIII / pIII



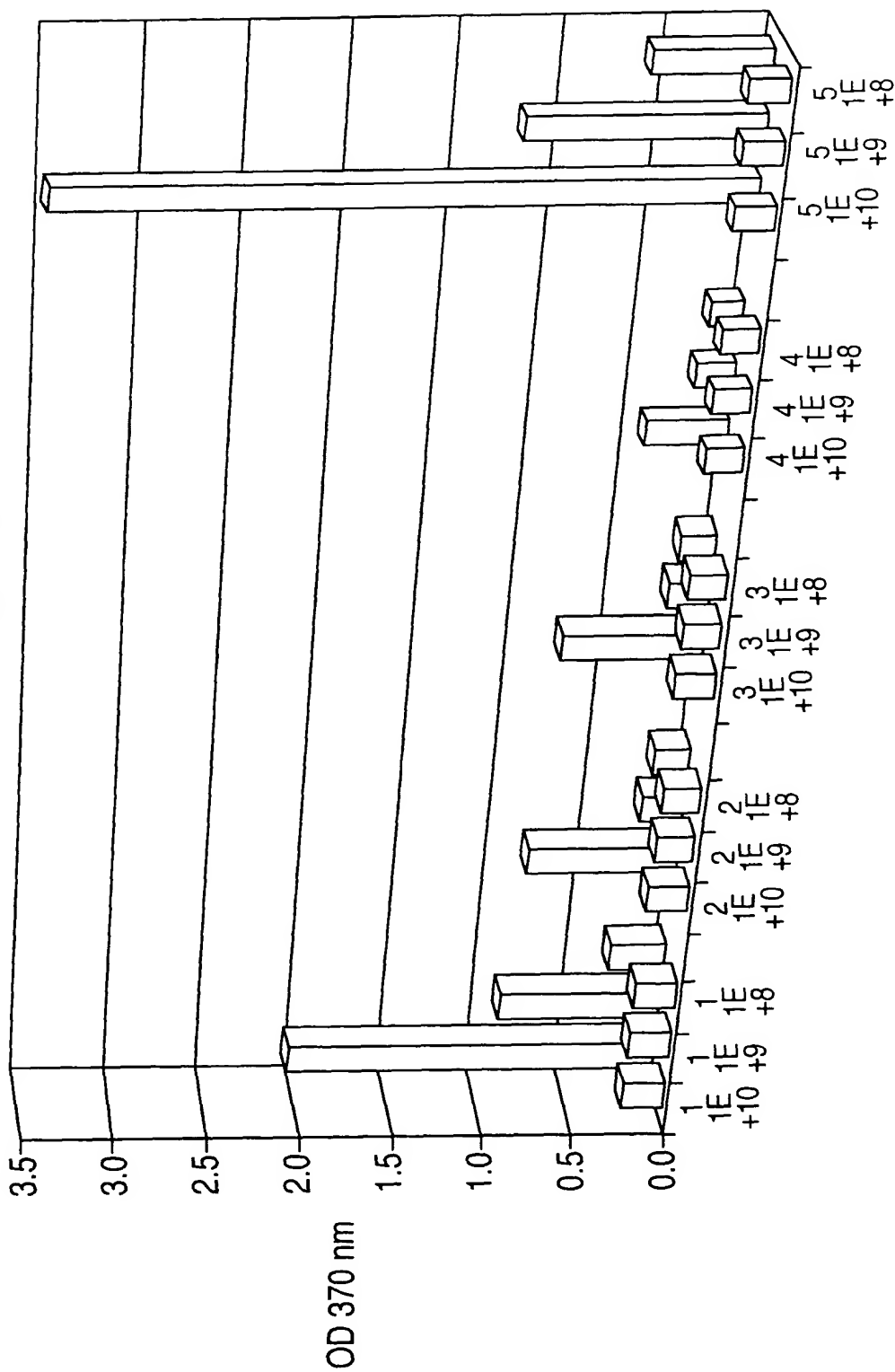
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FIG. 11



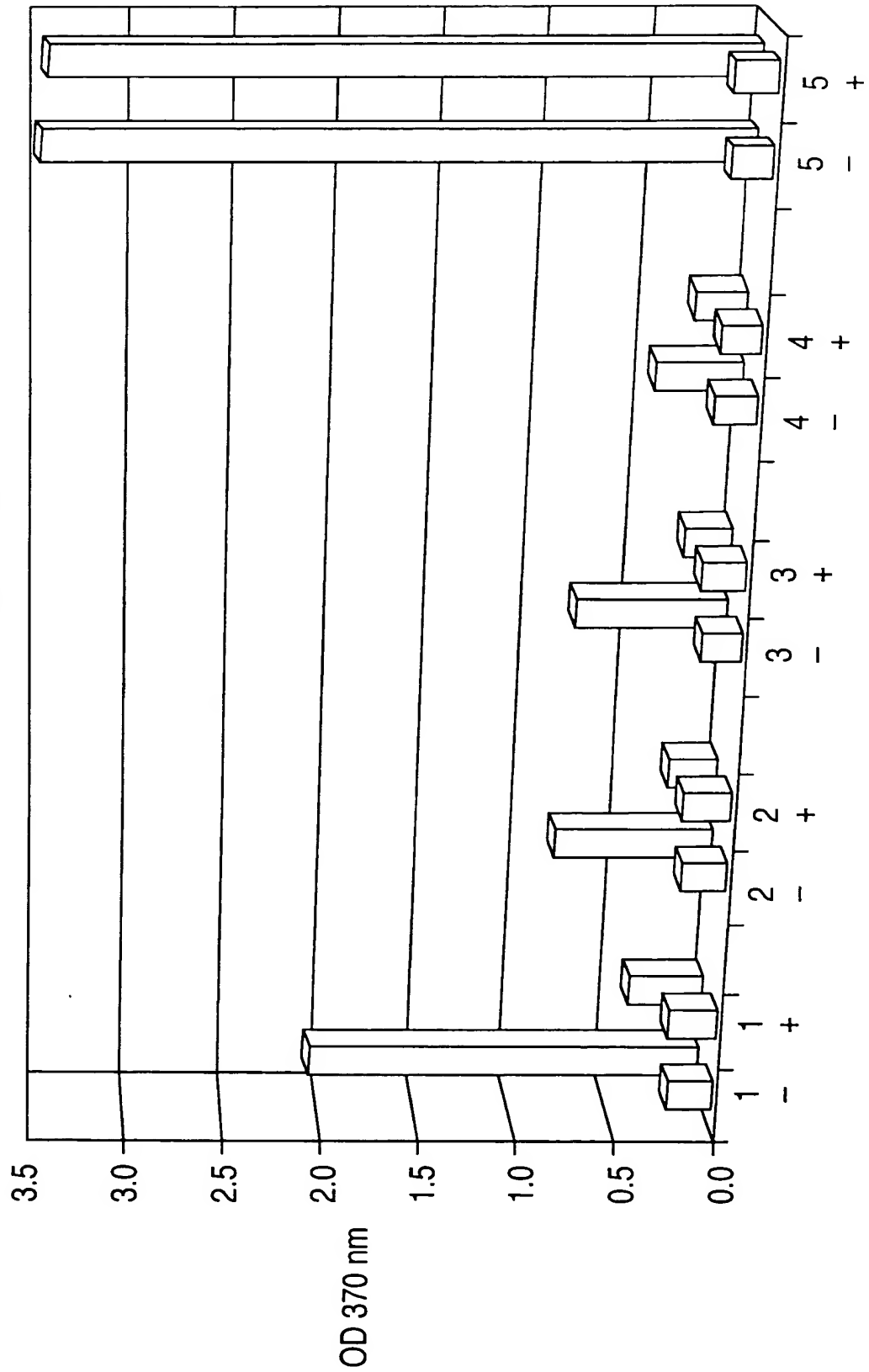
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FIG. 12



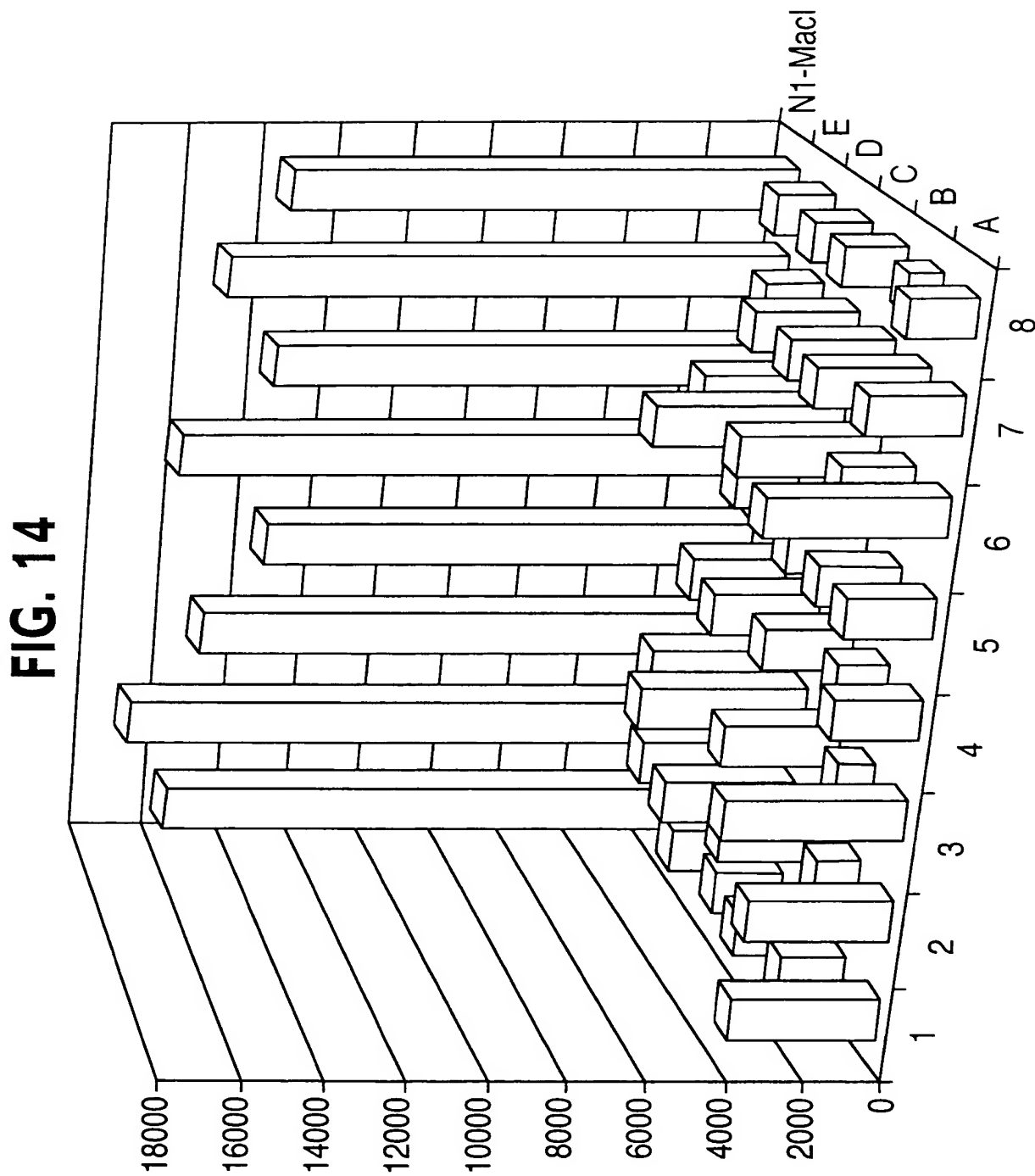
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**FIG. 13**



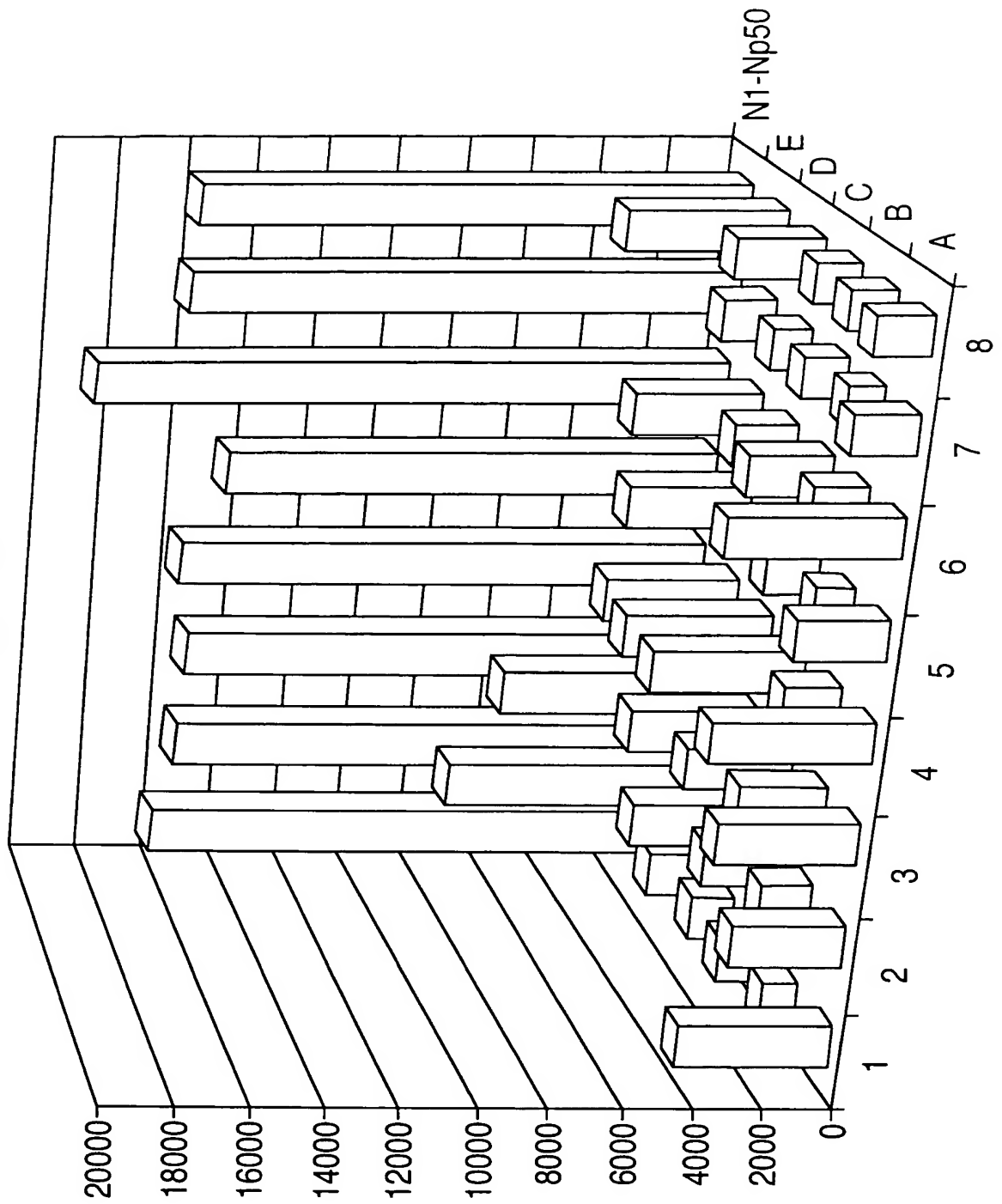


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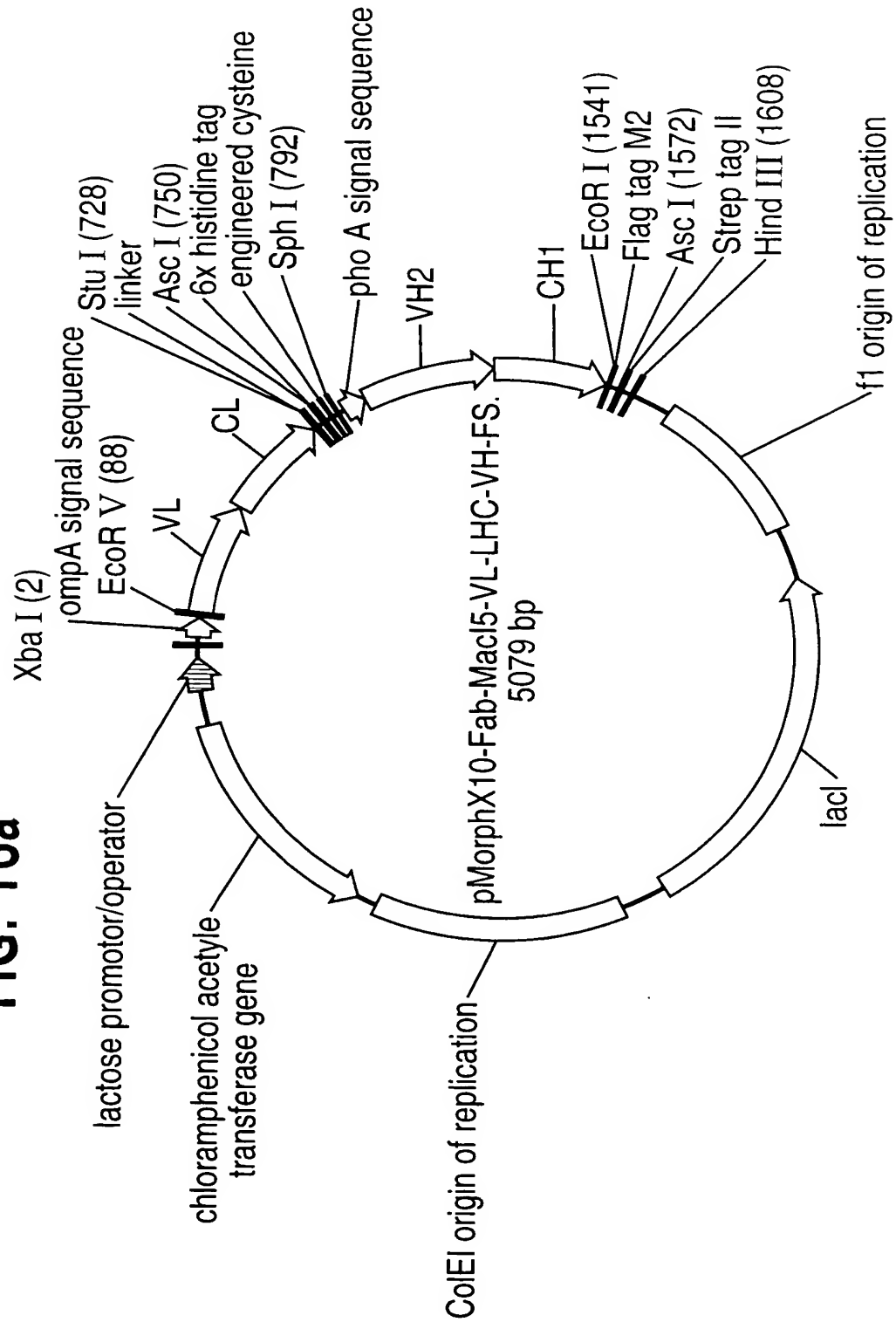
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FIG. 15



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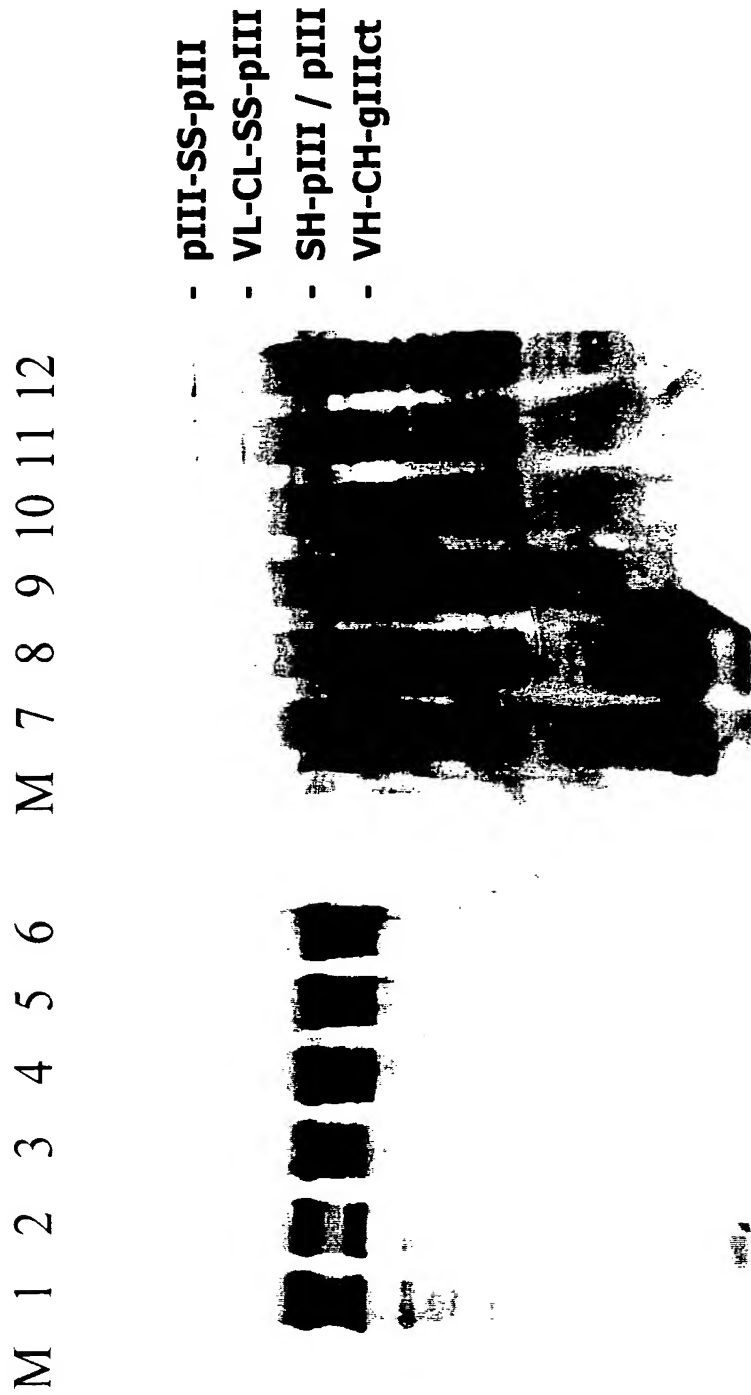
**FIG. 16a**



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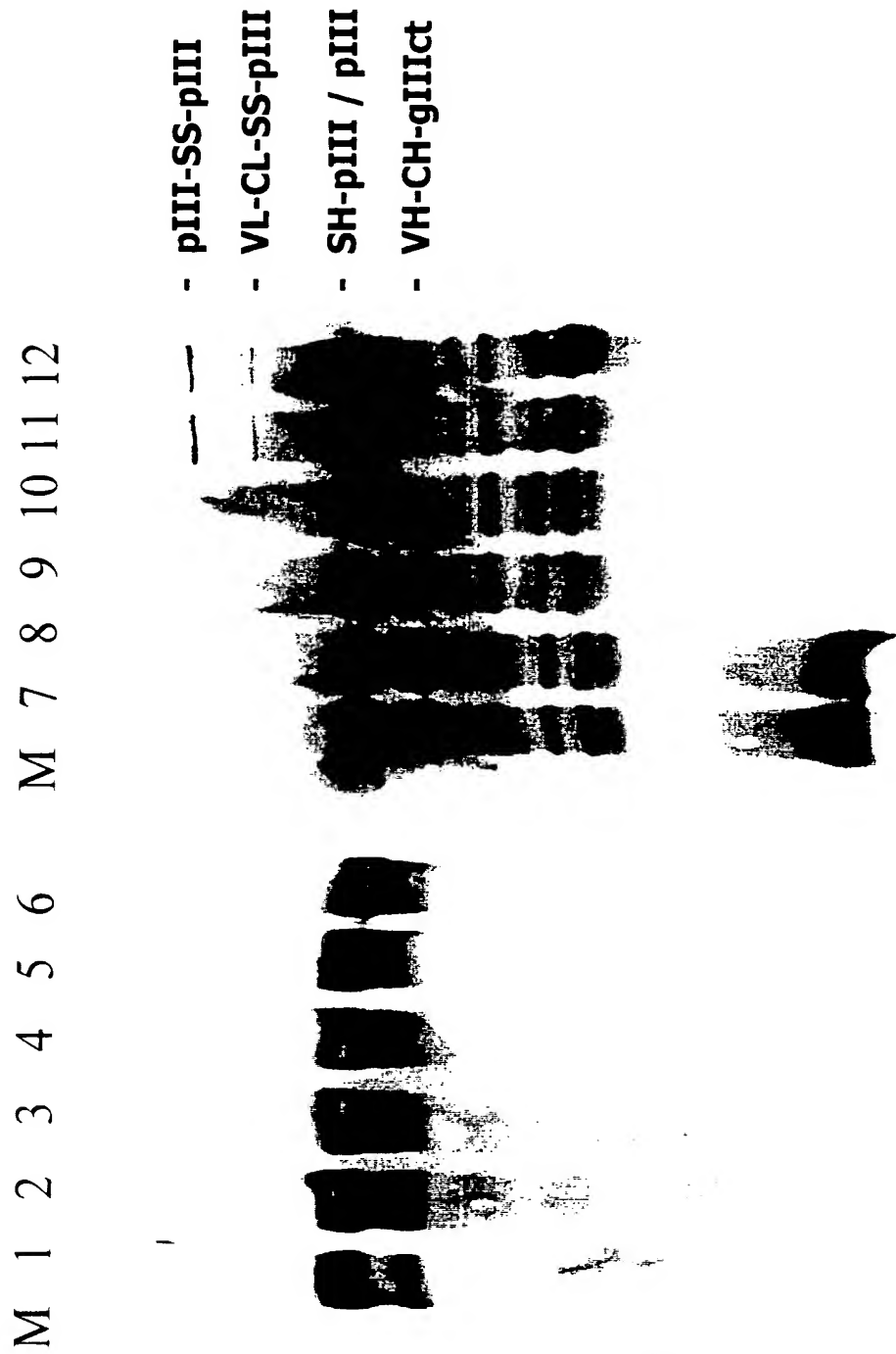
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**FIG. 17**

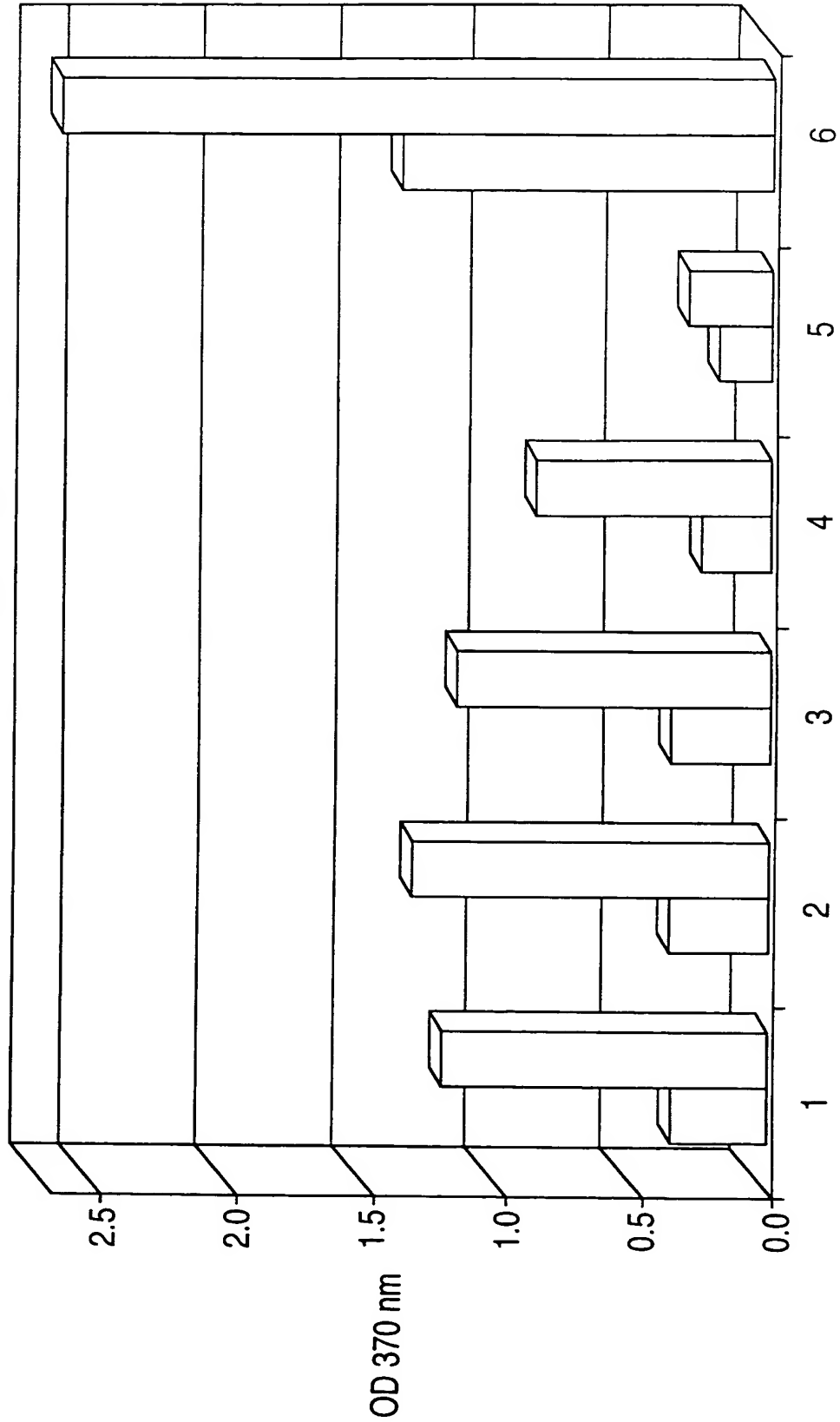


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**FIG. 18**

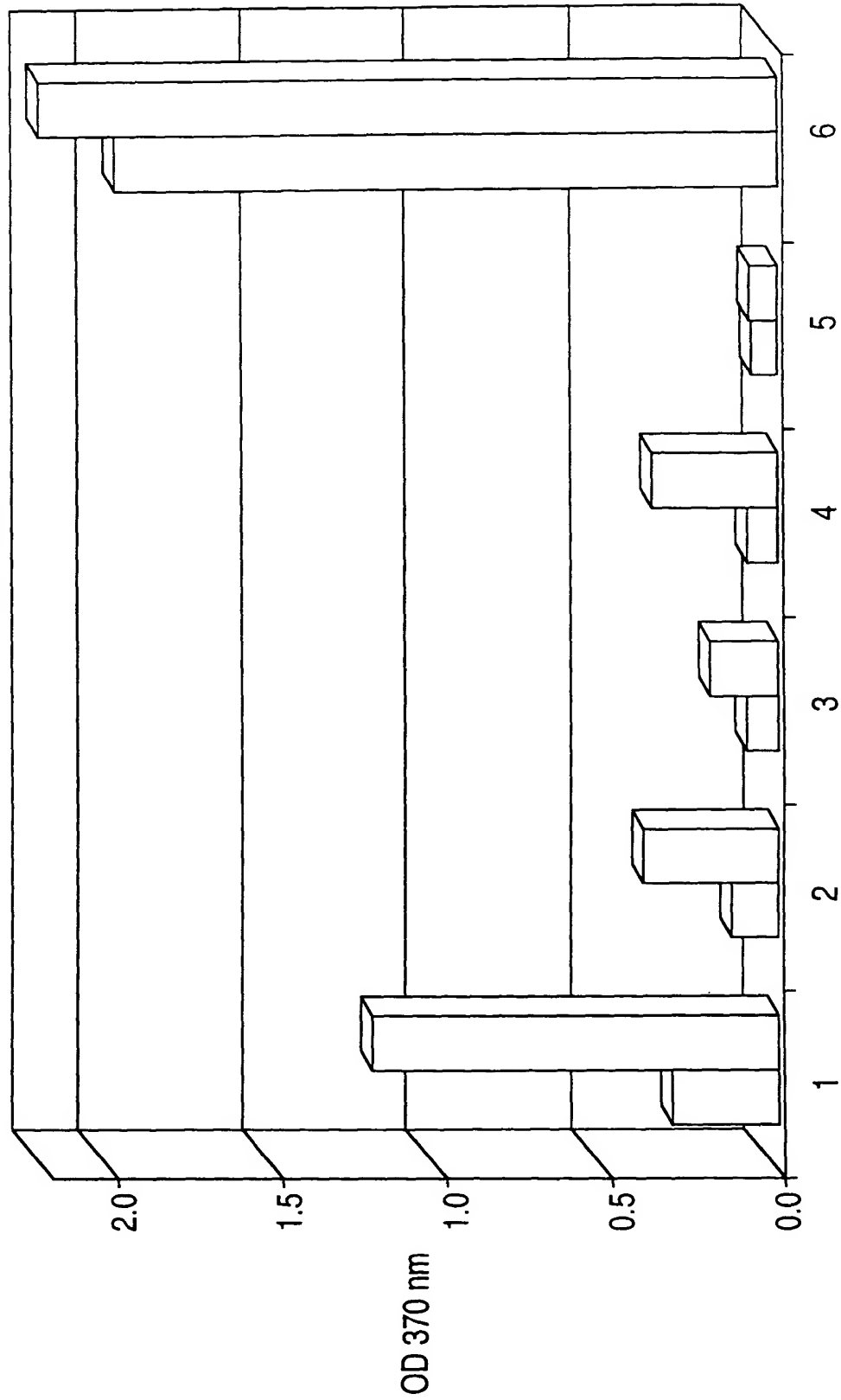


**FIG. 19**



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**FIG. 20**





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**FIG. 21**

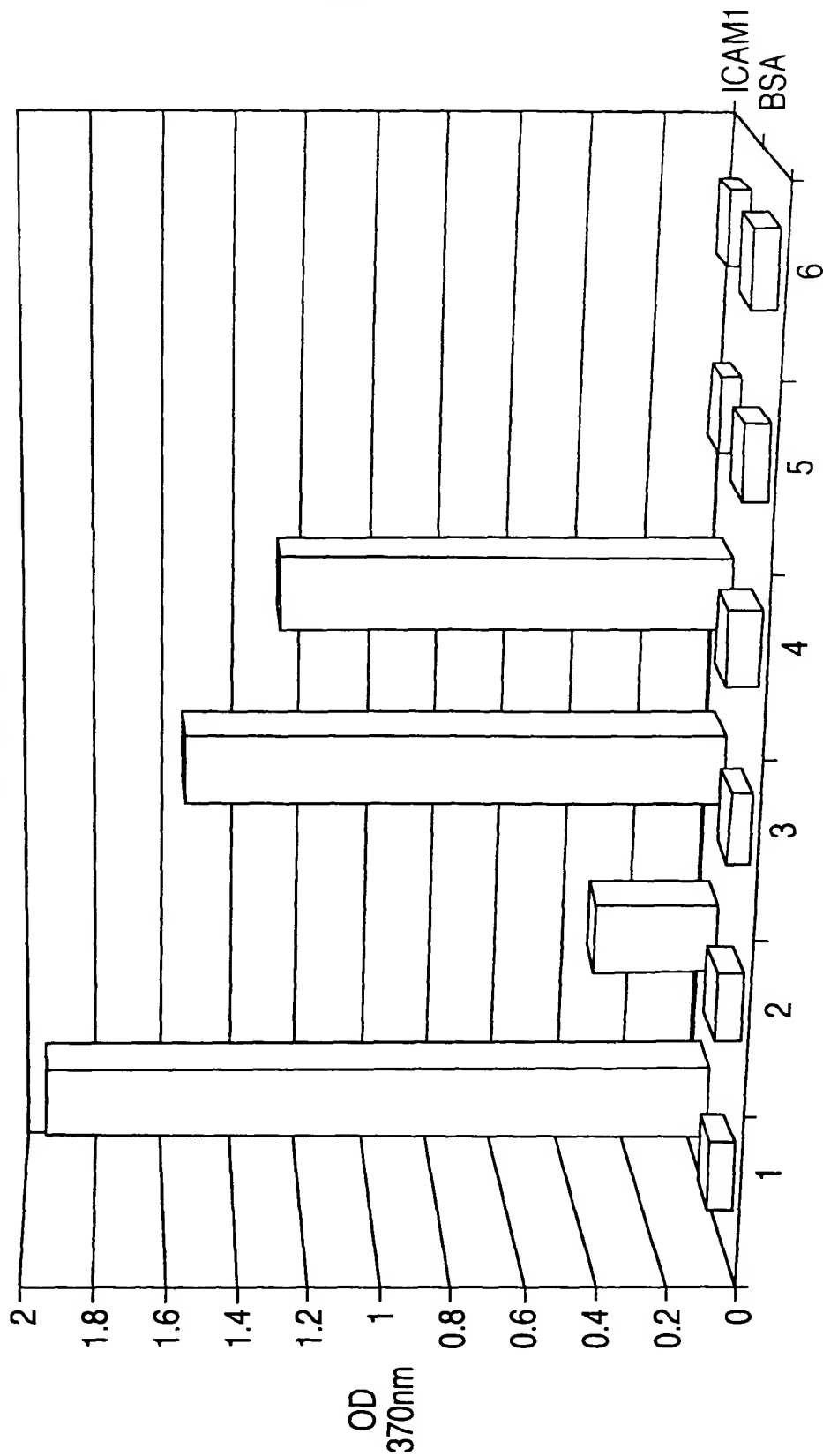


FIG. 22

